WATER BONDING SCHEME FOR CITY.

Special Committee Submitted Re port to Council Recommending The Big Proposition.

MILLION DOLLARS INVOLVED.

Council Has Secured Options on Water Rights in Big and Little Cottonwood Canyon.

After several months of hard work the special water committee of the city council has secured options on water rights in Big Cottonwood, Little Cottonwood, Mill creek and Spring creek and last evening submitted a report recommending that the city be bonded in the total sum of \$1,000,000 to secure the waters under option and thus increase the city's water supply to four times its present capacity. In addition to the purchase of the water part of the money from the bonds will le used in completing the sewer system of the city and thus give the southern and western parts of the city the benefits of the much needed sewer drain-

IMPROVEMENTS \$850,000.

The cost of the water proposed to be The cost of the water proposed to be obtained and the improvements in the water system is estimated in the report at \$50,000 and the cost of the sever improvement will be \$150,000. The council will take definite action on the matter next Monday night and should the report be adopted, as is now almost a certainty, the people of the city will be asked to yote on the issuance. be asked to vote on the issuance the bonds at a special election to be held for that purpose on about Dec. 20. SPECIAL COMMITTEES.

For seven years past the city has teen endeavoring to materially increase propositions with that end in view have been considered. In the early part of the present administration, Mayor Mor-ris suggested the appointment of a speris suggested the appointment of a special committee on water supply and the following were appointed: Frank J. Hewlett, chairman, A. J. Davis, Rulon S. Wells, George D. Dean and F. S. Fernstrom. Mayor Morris and City Engineer Snow were associated with the committee and in an advisory way Attorney F. S. Richards and State En-gleer A. F. Doremus, also acted with

Success has crowned the efforts of has solved the water problem and has taured the city an adequate water supply to provide for a population of at less 280,000 inhabitants. With the adoption of the report of the committee and the execution of its plans the most serious obstacle in the way of the growth of Greater Sait Lake will have ten removed.

ENGINEER'S ESTIMATE. According to the very exhaustive and

valuable report submitted to the com-mittee by City Engineer Snow, the resent water supply of the city per day is as follows City creek 4,800,000 gallons, Parley's creek 4,200,000 gallons. Emigration creek 1,000,000 gallons.

Total...... 10,000,000 gallons. With the adoption of the plan proposed by the committee, the city will ultimately secure the following addi-

tional waters for use in its water sys-

.... 42,600,000 gallons. SPRING CREEK WATERS.

It will be seen that R is not the in-ention to secure the Spring creek water for use in the city's systems, for reasons stated in the report which follows. It is a question yet to be de-termined whether the waters of Spring creek shall be purchased in order to lasure the city an abundance of water for exchange purposes or whether the money necessary for its purchase should be used in the development of the city's Utah lake rights instead and thus increase its supply for exchange from that source,

Two-thirds of the waters of Mill reek and Big Cottonwood can be immediately available by exchange and the remaining one-third by lease, and he Little Cottonwood water can be secured by either lease or exchange. By the additional water a population of 250,000 persons can be supplied with per capita supply equal to that used at the present time.

STATEMENT OF COST. Following is an itemized statement

the cost of the various improvements ntemplated: Hig Cottonwood conduit......\$350,000 Purchase of Spring creek or development Utah lake exchange

uley's canyon power plant.... 215,000 uuses for exchange bouses for exchange and canal Addition to city watermains... 100,000 Miscellaneous expenses.... 95,000

In addition to the above is the cost of the sewer extension and pumping plant, estimated at \$150,000, making the total \$1,000,000, for which amount the city will have to be bonded.

COMMUNICATION FROM MAYOR.

When the council met last evening a mmunication was read from Mayor order recommending that the action of committee in securing options on e various water rights be approved, id urging the council to concur in the the committee and submit the entire proposition to a vote of the People. The report of City Engineer Show to the committee was then read. It contains 31 pages of typewritten matter and is filled with with which have become ter and is filled with valuable informa-

"GOOD GROWING WEATHER."

When the New Scalp Antiseptic is User A good head of hair is as much a of giory," for man as it is for notwithstanding all the poetry subject applied to the female sex ively. In the season when flies the bald-headed man can sympahe Egyptians who were so ed on account of the chil-el. Why not try Newbro's Others have been benefited ad are loud in its praise. It cleanses is scalp, kills the germ at the root of the hair and by keeping the scalp weet, pure and wholesome, the hair is bound to grow as nature intended, re-gardless of the temperature. Try it and be convinced. Sold by leading drug-gists. Sand 10 end 10c, in stamps for sample Herpleide Co., Detroit, Mich.



tion concerning the water situation and was compiled with a great deal of work.

The report of the committee quotes from the city engineer's report at con-

REPORT SUBMITTED. Chairman Hewlett then submitted the

report of the committee, which appears in full elsewhere in these columns, and moved that it be adopted. The motion was seconded by Tuddenham. In support of the proposition President Hewelett said that the time had arrived for the council to take immediate action on the water question, as the growth of the city depends upon its water supply. No factories are being built here, he said, because there is not sufficient wa-He also pointed out the danger of big fires in the dry season without an adequate supply of water for protection. He reviewed in detail the ardu-ous task of the committee in securing options on the water and stated the reasons for its actions not being made public before now, and thanked the press of the city for its courtesy in not exposing its work until the proper time. Success has crowned the efforts the committee and it is believed that it is believed that it the committee and it is believed that it

industries to build up the city. BLACK WANTED TIME.

Black stated that he was not as well Total 10,000,000 ed on the prop of the committee and thought that the councilmen should have a little more time to investigate the matter, moved that it be referred to the com-mittee of the whole and that all papers nnection with the same be placed at the disposal of the council.

FERNSTROM OBJECTS. Such a movement was objected to by Fernstrom, who said that there were persons present who could furnish all information needed right at the time

and it was not necessary to refer the matter to the committee of the whole. matter to the committee of the whole. He said that two years ago the council had been charged with being incompetent to handle the water question and a movement was started in the Legislature to take it out of the council's hands. It was now up to this council, he said, to prove that it can handle the situation. He said that State Engineer Doremus, Attorney Richards and City Engineer Snow were present and could give any information needed. He favored the adoption of the report at once, withany information needed. He favored the adoption of the report at once, with-out any delay. He moved that the council meet as a committee of the whole at once and settle the matter before it adjourned. The motion was dec'ared out of order, because a motion to refer had already been made.

IMMEDIATE ACTION.

Wells made a strong argument in favor of immediate action, as it is of vital importance that no unnecessary delay should be made. The options, he said, expire on July 1, 1905, and before they can be taken up there must be sufficient funds in the treasury to do so. It takes considerable time for the election and the sale of the bonds, he said, so it would be inadvisable to delay the

adoption of the report.

Upon request of Councilmen Preece and Wood, the report was finally laid over until Monday night, when final action will probably be taken on it.

HEWLETT'S RESOLUTION.

A resolution was then introduced by Hewlett, ratifying the action of Mayor Morris and the committee in securing options on Spring creek to cost \$135,000; Big Ditch Irrigation company's rights in Big Cottonwood creek, \$25,000; Big Cottonwood Lower Canal company's rights in Big Cottonwood, \$8,000. The options were secured for \$402 and run until July 1, 1905. A motion was made by A. J. Davis to lay the resolution

over to come up with the committee report on Monday night. Fernstrom said that if any person opposed the resolution it was a settled fact that they opposed the report of the committee and the increase of the city's water supply. He said the reso-lution was introduced to smoke the op-position out and he was glad that he

found out who they were. This statement was resented by A. J. Davis, who said that if another effort is made by a councilman to impugn his motives in making a motion he would settle the matter on the floor of the council chamber. He withdraw his motion, and the resolution was then adopted by a unanimous vote, after which the council adjourned.

\$1,000,000 BOND ISSUE.

Committee on Water Supply.

The report of special committee on water supply is as follows:

Salt Lake City, Utah, Nov. 17, 1904. To the Henorable President and Members of the City Council of Salt Lake

City.
Gentlemen—Your special committee,
to whom was referred the subject of devising a plan for obtaining an adequate water supply for Salt Lake City, reports

as follows:

Immediately after its appointment the committee commenced its labors, and the same have been prosecuted with diligence until the present time. It has proceeded upon the theory that no temporary expedient should be resorted to in this important matter, believing that any plan which might be devised should provide for a constant adequate Z. C. M. L. Drug Co., Special Agents. 9 | that any plan which adequate

It was found, upon investigation, that plete, is \$50,000, there was not sufficient data at hand SPRING CRE from which the sources of supply, their availability and the manner and cost of bringing the water to the city, could be determined, although it was generally conceded that the sources of supply would be from the streams flowing into Salt Lake county from the Wasatch mountains.

In order that the committee might act In order that the committee might act intelligently, the city engineer was requested to make such investigation of the subject as would put the committee in possession of the necessary facts upon which to base its report to your honorable body. In response to this request, the engineer has prepared and submitted the full and comprehensive statements which accompany this re-

PRESENT SUPPLY.

It appears from the city engineer's report that Salt Lake City's present sup-ply of water per day of 24 hours, based on September averages for the years 1900, 1901, 1902 and 1903, a period of

unusual scarcity, is:

 City creek
 4,800,000

 Parley's creek
 4,200,000

 Emigration creek
 1,000,000

This is a daily supply of 150 gallons per capita for the 65,000 water users now The engineer gives it as his opinion that 300 gallons daily per capita, as an average supply, would be none

From the report it appears that the quantities of water that can ultimately be made available from the mountain rces, per day of 24 hours, will be as

Gallons

And that through the expenditure of \$850,000, about 30,000,000 gallons of this water can be made available at once.

ALL WILL BE NEEDED.

All of the above water should ulti-mately be acquired by the city, either through exchange or lease with the present users. To accomplish this it will be necessary to first provide an adequate supply of water to take the place of that from the above named

streams, which is now used for irriga-Two-thirds of the waters of Mili creek and Big Cottonwood creek are used on lands lying under the present city canal, and the quantity per day of 24 hours that can be procured by immediate exchange from those streams

is as follows: Mill creek 5,100,000 Big Cottonwood creek 18,100,000 Already options for exchange, running till July 1, 1905, have practically

POSTUM'S TRICK

How it Worked Wonders in one Family.

"While I was a Tea and Coffee user about eighteen months ago I happened to pick up a piece of old newspaper and saw a letter some one had written bout the gain in health by quitting ea and coffee and using Postum, and as I was suffering with indigestion and oldousness I decided perhaps Postum would fit my case, so I had wife get a would fit my case, so I had whe get a package next day and make some.

"I had been in the habit of taking cold lunches with a bottle of cold ten, but had become so bad I could not digest them, in fact I felt miserable after every meal. Well, I quit both tea and coffee and after commencing the use of Postum I began to feel better at once and have not had a billous spell since and no more indigestion. I would since and no more indigestion. I would be more than glad to find something that would make me prosper financially as that piece of old newspaper did

"I know it was the cold tea that was causing the trouble and the Postum

"I want to tell you something about my wife's condition.
"She had been a long-time coffee drinker and her feet were swollen so badly that she could not have a shoc on one of her feet at all and sometimes one of her feet at an and sofficialities not either of them, and suffered terribly with constipation. She was treated for kidney trouble, but the treatment did her no good at all and she became perfectly discouraged. In a short while after we began to use Postum and quit tea and coffee she began to get better and row she has said healthy and and now she is as good, healthy, and fine looking wife as you will find, and will leave those who read this lette judge for themselves what did it, want to say right here we both are of ten asked what caused my wife's health to improve, and we never fail to tel them that it was using Postum in place

f tea and coffee. of tea and coffee.

"We used to give our boy tea and coffee, and he came out with a skin disease until his head was almost a mass of scabs. We took away both tea and coffee and gave him what we drank—Postum, and shortly the trcuble left entirely, and all my children, like my wife and myself, are healthy and strong, and the best friends of Postum

you ever saw. Look in each pkg. for the famous lit-

In addition to the waters proposed to be secured by exchange, it appears practicable to acquire the remaining one-third of the waters of Mill creek and Big Cottonwood creek by lease, which would furnish a daily supply as

2,500,000 gallons. Mill Creek............ 2,500,000 gallons. Big Cottonwood creek 9,100,000 gallons.

The committee has assurances that leases can be obtained at a reasonable rental, for the waters which are used above the city canal, during the period from about Aug. 1, till the beginning of the next year's irrigation season.

pear in either of the last two tables for the reason that the committee is not in possession of the data showing the relative quantities of water from that source which are used above and below the present canal, but it is assumed that practically all of the Little Cottonwood water can be acquired either by exchange or lease, whenever the necessities of the city may require.

TO CONSTRUCT CONDUIT.

To make the waters of Mill creek and Big Cottonwood available, it is pro-posed to construct a condult from the tall race of the Utah Light & Railway company's lowest power station on Big Contonwood creek, to the mouth of Parley's canyon, which will discharge the water approximately 180 feet above the present intake of the Parley's canyon conduit, through which it will be conveyed to the city. This conduit has a capacity of over 20,000,000 gallons, while there is only about one-fourth that quantity of water available rom Parley's creek during the low wa-

It is proposed to construct the Big Cottonwood conduit in a permanent manner of sufficient capacity to deliver all the water it is ultimately intended to obtain from that stream and from Mfll creek and Little Cottonwood creek, including a suitable connection for admitting the waters of Mill creek. The estimated cost of this conduit, com-

been secured, subject to your ratification, for 50 per cent of the waters of Big Cottonwood creek, and negotiations are in progress for the exchange of the remaining 16 per cent, which is under the present city canal. are in progress for the exchange of the remaining 16 per cent, which is under the present city canal.

It is assumed that similar exchange can be effected for the waters of Mill can be effected for the waters of Mill several miles below the proposed place of diversion into the Big Cottonwood creek, forming a junction with the latter near Ninth East and Seventeenth South streets, a point several miles below the proposed place of diversion into the Big Cottonwood creek, forming a junction with the latter near Ninth East and Seventeenth South streets, a point several miles below the proposed place of diversion into the Big Cottonwood creek, forming a junction with the latter near Ninth East and Seventeenth South streets, a point several miles below the proposed place of diversion into the Big Cottonwood creek, forming a junction with the latter near Ninth East and Seventeenth South streets, a point several miles below the proposed place of diversion into the Big Cottonwood creek, forming a junction with the latter near Ninth East and Seventeenth South streets, a point several miles below the proposed place of diversion into the Big Cottonwood creek, forming a junction with the latter near Ninth East and Seventeenth South streets, a point several miles below the proposed place of diversion into the Big Cottonwood creek, forming a junction with the latter near Ninth East and Seventeenth South streets. conduit. At this place there is a practically constant flow of about 14,000,000

gallons per day. An option has been secured, subject to your ratification, for the city to purchase this water for the sum of \$15,000.

In order to utilize the waters of Spring creek it is proposed by the engineer to establish a power station at the mouth of Parley's canyon, where the water drops 180 feet from the Big Cotonwood conduit to the Parley's canyon conduit, at a cost of \$40,000, and a pumping station near Spring creek, which will pump the water to such an elevation that it can be delivered into the big ditch, in lieu of some of the water of Big Cottonwood for which an the next year's irrigation season.
Little Cottonwood creek does not appear in either of the last two tables for the reason that the committee is not in possession of the data showing the relative quantities of water from that source which are used above and below the present canal, but it is assumed that practically all of the Little Cottonwood water can be acquired either by exchange or lease, whenever if desired, the Spring creek water can be made to supply the southern and western portions of the city for do-mestic purposes. The estimated cost of establishing the pumping plant and bringing water to Twelfth South street is \$80,000. The engineer's report also shows

that, notwithstanding the satisfactory showing which appears from City Chemist Harms' analyses of this water, it is questionable whether the purity can be maintained, and that careful examination may disclose the fact that a satisfactory title to this water cannot be obtained, and that for these reasons, it may not be desirable to exercise the option to purchase Spring

UTAH LAKE SUPPLY.

The engineer's report also shows that the city now has an ample supply of canal water from Utah lake, if sup-plemented by the Spring creek water, to furnish all the water that is required Including a suitable connection for admitting the waters of Mill creek. The estimated cost of this conduit, complete, is \$50,000.

SPRING CREEK PROPOSITION.

The report shows that, in addition to Including a suitable connection for admitting the water that is required for exchange purposes, and that if, for any reason, Spring creek is not purchased, immediate provision should be made for securing at least an equivalent quantity of exchange water from Utah lake, and, at the same time for perfecting the city's right in this im-

TEA

Poor tea costs more than good, very likely.

Your grover returns your money if you don't like Schilling's Best.

He also recommends that, in any event, the item of \$40,000, for the proposed Parley's canyon power station, should be retained, as its value to the city would more than compensate for its cost in handling and disposing of sewage for the lower portions of the city, if not needed for pumping Spring \$150,000

\$850,000 NEEDED.

It also appears from the engineer's report that, in adition to the amounts above given, there will be required for the payment of bonuses for ex-change of water and repairs to the Jordan and Salt Lake City canal, \$50.-000; for additions to the city mains \$100,000, and for the purchase and extinguishment of power rights and miscellaneous expenses \$95,000, making a total of \$850,000.

The committee has been assured by the city engineer that the above estimates are emple for the purposes mentioned, and so it seems reasonably certain that the city can acquire, for the total sum named, an increased water supply, delivered into its present reservoirs and mains, four times as great as that which it now possesses, which will be equivalent to the present supply per capita for a population of 250,-

The city has already secured, by exchange, 13,600,000 gallons per 24 hours of Big Cottonwood water, and it is reasonably certain that, by the time the conduit is completed, this quantity will have been increased by additional exchange and lease for Big Cottonwood and Mill creek, to the full quantities contemplated.

Rath laiment as general supervision of the special water committee and participated in all of its deliberations, I heartly indores the foregoing.

RICHARD P. MORRIS,

Mayor.

quantities contemplated.
When the water from the Big Cot.

Umbrellas, Hosiery, Etc.

an elevation of about 200 feet above the Thirteenth East street reservoir, and 130 feet above the Capital Hill reservoit.

SEWER FOR WEST SIDE.

While investigating the water question, the attention of this committee has been repeatedly called to the necesportant source of supply, and that this may be accomplished by the expenditure of the \$210,000 named in the entimate for the purchase and pumping of Saxlang greak and will offer a wifficient to have prepared by the people to have prepared by the near the surface, it is also most impossible for the people to have prepared by the people to the peo Spring creek, and will afford sufficient water to exchange for all the mountain streams, including Little Cottonwood.

The property is properly to have proper cesspools, and therefore the need of a sewer system is most imperative. This cannot be properly accomplished with the present inadequate supply of water, but, when the supply is increased, as contemplated by this report, we think that provision should be made for the construction of a sewer system for the lower part of the city, which previous estimates of the city engineer show will cost about

Your committee therefore recommends that the plan for increasing the water supply of the city, as outlined in this report be adopted, and that proper sewering be provided for the lower part of the city. The committee also recom-mends that a proposition be submitted to the taxpayers of Salt Lake City to authorize a bond issue of \$850,000, for the proposed increase of the water supy, and also that a proposition be subitted authorizing a bond issue of \$150,no, for the construction of said sewer, aking a total bond issue of \$1,000,000, earing interest at the rate of 4 per cent per annum.

The committe also recommends that an election be held on December 20, 1904, for the purpose of voting on the propositions to Issue such bonds.

Respectfully submitted,
FRANK J. HEWLETT,
GEORGE D. DEAN,
F. S. FERNSTROM,

RULON S. WELLS,

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Best Liniment on Earth.

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Misses' black ribbed Hose, nice finish,

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Ladies' knit Shawl and Fascina-

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